

ASSIGNMENTPARTIES TO THE ASSIGNMENT:INVENTOR:

Stephan M. Brandstadter

ASSIGNEE:

PCBU Services, Inc
300 Delaware Ave., Suite 1269
Wilmington, DE 19801

BACKGROUND OF THIS ASSIGNMENT:

Inventor has conceived certain new and useful inventions disclosed in United States patent application PCT/US05/02617, January 28, 2005, titled Compositions, Halogenated Compositions, Chemical Production and Telomerization Processes.

THE PARTIES AGREE AS FOLLOWS:

In consideration of good and valuable consideration, the receipt, sufficiency and adequacy of which is hereby acknowledged, INVENTOR has sold, assigned and transferred, and by these presents does hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest in the above-identified inventions and application and to any reissues, renewals, divisions or continuations of the application thereof, and hereby authorizes the Commissioner of Patents and Trademarks to issue such Letters Patent to ASSIGNEE for the sole use of ASSIGNEE, its successors or assigns.

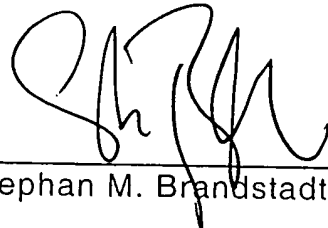
INVENTOR further agrees to execute, at the request and expense of ASSIGNEE such other formal documents as may be required to fully convey the interest transferred herein and will similarly execute any application papers required for the filing of any division, continuation, renewal or reissue of the patent application or resulting Letters Patent; and will generally do everything necessary or desirable to obtain and enforce proper protection for the inventions assigned hereby.

INVENTOR further assigns to ASSIGNEE the whole right, title and interest in the inventions disclosed in the application throughout all countries foreign to the United States. ASSIGNEE is hereby authorized to apply for patents relating to the inventions in its own name in countries where such procedure is proper; to claim the benefit of the International Convention; to file and prosecute International Applications relating to the inventions under the Patent Cooperation Treaty; and to file and prosecute applications relating to the inventions under the European Patent Convention. INVENTOR agrees to execute applications relating to the inventions in those countries and under those conventions where it is necessary that the same be executed by the inventor, and to execute assignments of such applications and the resulting Letters Patent to ASSIGNEE as well as all other necessary papers in relation to such applications and the resulting Letters Patent to ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patent. INVENTOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of

ASSIGNEE to apply for patent and other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

To be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

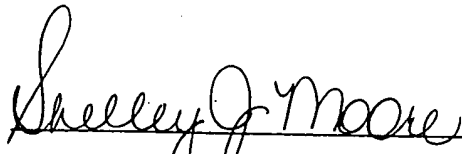
Dated: 5-9-05

Signature: 
Stephan M. Brandstadter

State of Indiana)
County of Tippecanoe) ss.

BEFORE ME, this 9th day of May, 2005, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.

SEAL


Notary or Consular Officer
My Commission Expires: 9-13-07



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

APRIL 24, 2006

PTAS



103171827A

ROBERT C. HYTA
WELLS ST. JOHN, P.S.
601 W. FIRST AVENUE, SUITE 1300
SPOKANE, WA 99201

EV832855290

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 01/27/2006

REEL/FRAME: 017516/0671
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BRANDSTADTER, STEPHAN M.

DOC DATE: 05/09/2005

ASSIGNEE:

PCBU SERVICES, INC.
300 DELAWARE AVENUE, SUITE 1269
WILMINGTON, DELAWARE 19801

SERIAL NUMBER:

FILING DATE: 01/28/2005

PATENT NUMBER:

ISSUE DATE:

PCT NUMBER: US0502617

TITLE: COMPOSITIONS, HALOGENATED COMPOSITIONS, CHEMICAL PRODUCTION AND
TELOMERIZATION PROCESSES

017516/0671 PAGE 2

LAZENA MARTIN, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 01, 2006

PTAS



103180115A

ROBERT C. HYTA
WELLS ST. JOHN, P.S.
601 W. FIRST AVE., SUITE 1300
SPOKANE, WA 99201

EV832855290

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 02/10/2006

REEL/FRAME: 017553/0605
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

AMEDURI, BRUNO

DOC DATE: 01/28/2006

ASSIGNOR:

KOSTOV, GEORGE K.

DOC DATE: 01/30/2006

ASSIGNEE:

GREAT LAKES CHEMICAL CORPORATION
ONE GREAT LAKES BOULEVARD
WEST LAFAYETTE, INDIANA 47906

SERIAL NUMBER:

FILING DATE: 01/28/2005

PATENT NUMBER:

ISSUE DATE:

PCT NUMBER: US0502617

TITLE: COMPOSITIONS, HALOGENATED COMPOSITIONS, CHEMICAL PRODUCTION AND
TELOMERIZATION PROCESSES

017553/0605 PAGE 2

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

ASSIGNMENT**PARTIES TO THE ASSIGNMENT:****Inventor:**

Bruno Ameduri
20 Rue Louis Roumieux
34090 Montpellier, France

George K. Kostov
App 103, Res Le Mas Vaneau
189 Rue Edmond Lautard
34080 Montpellier, France

Assignee:

Great Lakes Chemical Corporation
Corporation of the State of Delaware
One Great Lakes Boulevard
West Lafayette, IN 47906

BACKGROUND OF THIS ASSIGNMENT:

Inventors have conceived certain new and useful inventions disclosed in PCT Patent Application, No. PCT/US05/02617, filed January 28, 2005 titled "Production Processes and Systems, Compositions, Surfactants, Monomer Units, Metal Complexes, Phosphate Esters, Glycols, Aqueous Film Forming Foams, and Foam Stabilizers".

GREAT LAKES CHEMICAL CORPORATION (hereinafter referred to as "ASSIGNEE") desires to acquire the entire right, title and interest in said inventions and with respect to any Letters Patent that may be granted with respect to the inventions in both the United States and in all foreign countries.

THE PARTIES AGREE AS FOLLOWS:

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, INVENTORS have sold, assigned and transferred to ASSIGNEE the full and exclusive right to said inventions in the United States and in all foreign countries.

INVENTORS do hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest in the above-identified inventions and application and to any reissues, renewals, divisions or continuations of the application thereof, and hereby authorizes the Commissioner of Patents and Trademarks to issue such Letters Patent to ASSIGNEE for the sole use of ASSIGNEE, its successors or assigns.

INVENTORS further agree to execute, at the request and expense of ASSIGNEE such other formal documents as may be required to fully convey the interest transferred herein and will similarly execute any applications papers required for the filing of any division, continuation or reissue of the patent application or resulting Letters Patent; and will generally do everything necessary or desirable to obtain and enforce proper protection for the inventions assigned hereby.

INVENTORS further assign to ASSIGNEE the whole right, title and interest in the inventions disclosed in the application throughout all countries foreign to the United States. ASSIGNEE is hereby authorized to apply for patents relating to the inventions in its own name in countries where such procedure is proper; to claim the benefit of the International Convention; to file and prosecute International Applications relating to the

inventions under the Patent Cooperation Treaty; and to file and prosecute applications relating to the inventions under the European Patent Convention. INVENTORS agree to execute applications relating to the inventions in those countries where it is necessary that the same be executed by the inventor, and to execute assignments of such applications and the resulting Letters Patent to ASSIGNEE as well as all other necessary papers in relation to such applications and the resulting Letters Patent to ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patent.

Signed at Montpellier FRANCE, on February 6th, 2006
[city] [state]

Bruno Ameduri
Bruno Ameduri

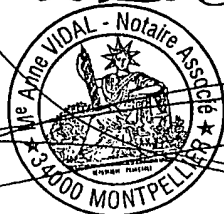
State of FRANCE)
County of Hérault Montpellier) ss.

On February 6th 2006, before me, a Notary Public, personally appeared Bruno Ameduri who is known to me to be the person described in the foregoing assignment, who executed it and acknowledged such execution to be voluntary and for the purposes set forth therein.

Patrice Anne VIDAL
Notary for the State of FRANCE
residing at Montpellier
[City]

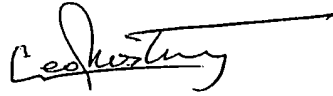
Commission Expires: _____

Je soussigné Patrice Anne VIDAL Notaire associé
à Montpellier, certifie la signature de
M.^{re} AMEDURI apposée à ci dessus
Montpellier, le 7 février 2006



S:\IPC3\154\AS2.doc

Signed at Montpellier France, on February 6th, 2006
[city] [state]



George K. Kostov

State of FRANCE)
) ss.
County of HERAULT MONTPELLIER

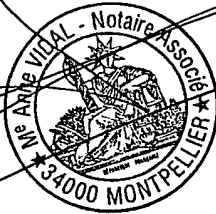
On February 7th 2006, before me, a Notary Public, personally appeared George K. Kostov who is known to me to be the person described in the foregoing assignment, who executed it and acknowledged such execution to be voluntary and for the purposes set forth therein.

SEAL

Maitre Anne VIDAL
Notary for the State of FRANCE
residing at MONTPELLIER
[City]

Commission Expires: _____

Je soussigné Maître VIDAL Notaire associé
à Montpellier, certifie la signature de
M. KOSTOV apposée à ci dessus
Montpellier, le 7 février 2006



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INTERNATIONAL APPLICATION SERIAL NO. PCT/US05/002617
INTERNATIONAL FILING DATE..... January 28, 2005
FIRST NAMED INVENTOR..... Stephan M. Brandstadter, et al.
APPLICANT Great Lakes Chemical Corporation
ATTORNEY DOCKET NO. PC3-154
TITLE:Compositions, Halogenated Compositions, Chemical Production and Telomerization
Processes

NOTICE OF MERGER

To: Assignment Recordation Services
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450


EV832835290

From: Robert C. Hyta
Wells St. John P.S.
601 W. First Avenue, Suite 1300
Spokane, WA 99201-3828
Tel. (509) 624-4276; Fax (509) 838-3424

HEREBY TAKE NOTICE that the above-captioned application, and any patents issued thereon, has been transferred to Great Lakes Chemical Corporation, a Delaware corporation, by reason of a merger of PCBU Services, Inc., effective as of November 15, 2005, all as set forth in a Certificate of Ownership and Merger on file with the Secretary of State of Delaware, and as certified by the Secretary of State of Delaware.

Respectfully submitted,

Dated: 1/12/06

By: 
Robert C. Hyta
Reg. No. 46,791

Enc.: Copy of Certified Certificate of Ownership
and Merger, dated November 15, 2005

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

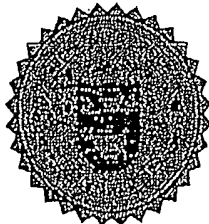
"GLK SERVICES, INC.", A DELAWARE CORPORATION,

"PABU SERVICES, INC.", A DELAWARE CORPORATION,

"PCBU SERVICES, INC.", A DELAWARE CORPORATION,

WITH AND INTO "GREAT LAKES CHEMICAL CORPORATION" UNDER THE NAME OF "GREAT LAKES CHEMICAL CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE FIFTEENTH DAY OF NOVEMBER, A.D. 2005, AT 12:43 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



0741228 8100M

050929426

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State
AUTHENTICATION: 4297034

DATE: 11-15-05

E-633203210

CERTIFICATE OF OWNERSHIP AND MERGER

OF

GLK SERVICES, INC.
(a Delaware corporation)

PABU SERVICES, INC.
(a Delaware Corporation)

PCBU SERVICES, INC.
(a Delaware Corporation)

INTO

GREAT LAKES CHEMICAL CORPORATION
(a Delaware corporation)

It is hereby certified that:

1. GREAT LAKES CHEMICAL CORPORATION, hereinafter sometimes referred to as the "Corporation", is a business corporation of the State of Delaware.

2. The Corporation is the owner of all of the outstanding shares of the stock of GLK SERVICES, INC., PABU SERVICES, INC. and PCBU SERVICES, INC., which are also business corporations of the State of Delaware.

3. On November 1, 2005, the Board of Directors of the Corporation adopted the following resolutions to merge GLK SERVICES, INC., PABU SERVICES, INC. and PCBU SERVICES, INC. into the Corporation:

RESOLVED that GLK SERVICES, INC., PABU SERVICES, INC. and PCBU SERVICES, INC., be merged into this Corporation, and that all of the estate, property, rights, privileges, powers and franchises of GLK SERVICES, INC., PABU SERVICES, INC. and PCBU SERVICES, INC., be vested in and held and enjoyed by this Corporation as fully and entirely and without change or diminution as the same were before held and enjoyed by GLK SERVICES, INC., PABU SERVICES, INC. and PCBU SERVICES, INC., in their names.

RESOLVED that this Corporation shall assume all of the obligations of G.L.K SERVICES, INC., PABU SERVICES, INC. and PCBU SERVICES, INC.

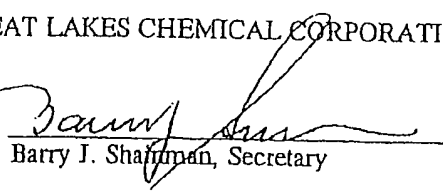
RESOLVED that this Corporation shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the State of Delaware and by the laws of any other appropriate jurisdiction and will cause to be performed all necessary acts within the State of Delaware and within any other appropriate jurisdiction.

RESOLVED that the effective time of the Certificate of Ownership and Merger setting forth a copy of these resolutions, and the time when the merger therein provided for, shall become effective shall be November 15, 2005.

Executed on November 1, 2005

GREAT LAKES CHEMICAL CORPORATION

BY:


Barry J. Shafman, Secretary